

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
 Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> FLORA MUNI	<u>AIRPORT ID</u> KFOA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 2D	<u>CITY</u> FLORA	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 473	<u>TDZE</u> 470	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 11/08/2018	<u>MAG VAR</u> 1W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
JOVAR	IAF	FIPEN	NOPT	TF	FB	1.00	210.79	10.67	2200
BIB VORTAC	IAF	FIPEN	NOPT	TF	FB	1.00	123.28	8.78	2200
FIPEN	IF/IAF	HANEL		TF	FB	1.00	210.72	6.57	2200
HANEL	FAF	RW21	MAP	TF	FO	0.30	210.68	5.28	
RW21	MAP	746 MSL		CA			210.68		
746 MSL		JISID		DF	FO	1.00			2200

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2200 DIRECT JISID AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NE FIPEN, RT, 210.72 INBOUND, 2200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 210.68

FAF: HANEL

DIST FAF TO MAP: 5.28

DIST FAF TO THLD: 5.28

4. MIN ALT: FIPEN 2200, HANEL 2200

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

276 HAT: 0.72

GS ANT:

6. MIN GP INCPT: 2200

GP ALT AT FAF : HANEL 2200

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS NOT CLEAR

20:1: IS CLEAR

TCH: 51.0

8. MSA FROM: RW21 2600

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 15 AND 33.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING OLNEY-NOBLE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BIB VORTAC AIRWAY RADIALS 078 CW 204.
CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OLNEY-NOBLE ALTIMETER SETTING AND INCREASE LPV DA TO 779 FEET, LNAV/VNAV DA TO 838 FEET AND LNAV/VNAV VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND CIRCLING CAT C VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.34 NM TO RW21*
*LNAV ONLY
WAAS CHANNEL #86428
REFERENCE PATH ID: W21A
FAS OBST: 669 AAO 384527N/0882436W.
HOLD SW, RT, 030.57 INBOUND
LTP HAE: 110.9 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	746	1	276	746	1	276	746	1	276		NA				
LNAV/VNAV DA	805	1	335	805	1	335	805	1	335		NA				
LNAV MDA	920	1	450	920	1	450	920	1 3/8	450		NA				
CIRCLING	940	1	467	940	1	467	1120	1 3/4	647		NA				

QUALITY
10
CHECKED

CHANGES - REASONS

1. UPDATED RNAV/VNAV DA/HAT FROM 788/318 TO 805/335 - INCORPORATING NOTAM FDC 8/0470
2. CHANGED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, RNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, RNAV/VNAV NA BELOW -17C OR ABOVE 54C" - REMOVED FAHRENHEIT - IAW 8260.19H - INCORPORATING P-NOTAM 8/0933
3. REMOVED CHART NOTE: NIGHT LANDING RWY 21 NA - 20:1 VISUAL SURFACE CLEAR
4. UPDATED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 1SM NOT AUTHORIZED" TO "RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED." - VISUALSURFACE PENETRATIONS 20:1 CLEAR, 34:1 NOT CLEAR - INCORPORATING P-NOTAM 8/0933
5. REMOVED DME/DME RNP -0.3NA - NO LONGER REQUIRED
6. ADDED PBN EQUIPMENT REQUIREMENT NOTE: RNP APCH - IAW 8260.19H
7. DELETE NOTE: CIRCLING TO RWYS 15 AND 33 NA - INCORPORATING P-NOTAM 8/0933
8. CHART NOTE: CIRCLING NA TO RWYS 15 AND 33 - INCORPORATING P-NOTAM 8/0933
9. DELETE NOTE: WHEN VGSi INOP, STRAIGHT-IN/CIRCLING RWY 21 PROCEDURE NA AT NIGHT - INCORPORATING P-NOTAM 5/7383
10. CHANGED LPV DA FROM 742 TO 746 - INCORPORATING 5/3920
11. CHANGED RNAV HAT FROM 454 TO 450 ALL CATS - INCORPORATING 5/3920
12. CHART TDZE 470 DELETE THRE 466 - INCORPORATING 5/3920
13. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - IAW 8260.19H PARA 8-6-7.B(2)
14. ADDED "20:1: IS CLEAR" TO LINE 7 - INCORPORATING P-NOTAM 8/0933
15. ADDED "CHART VDP AT 1.34 NM TO RWY21*, *RNAV ONLY." TO ADDITIONAL FLIGHT DATA NOTES IAW 8260.19H PARA 8-6-10.N(3) - VDP ESTABLISHED; 20:1 SURFACE IS CLEAR
16. CHANGED "CHART NOTE: BARO-VNAV NA WHEN USING OLNEY-NOBLE ALTIMETER SETTING." TO "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING OLNEY-NOBLE ALTIMETER SETTING." - VDP ESTABLISHED
17. CHANGED "DISTANCE TO THLD FROM 276 HATH: 0.70 NM" TO "DISTANCE TO THLD FROM 276 HAT: 0.72 NM" - UPDATED DISTANCE DERIVED FROM TARGETS BUILD
18. CHANGED REMOTE ALTIMETER NOTE TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OLNEY-NOBLE ALTIMETER SETTING AND INCREASE LPV DA TO 779 FEET, RNAV/VNAV DA TO 838 FEET AND RNAV/VNAV VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND CIRCLING CAT C VISIBILITY 1/4 SM." - UPDATED VERBIAGE IAW 8260.19H PARA 8-6-11.N.(1) (A)3

COORDINATED WITH:

A4A ☐

ALPA ☐

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZKC, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

DAVID DANNER (COLIN CAMPBELL)

Digitally signed by

DAVID DANNER

Apr 12, 2019

APPROVED BY

MARLON ROBINSON

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Apr 12, 2019

OFFICE

AJV-A421

OFFICE

AJV-A420

DATE

02/15/2019

DATE

02/15/2019

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFOA
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	384012.7770N
LTP/FTP LONGITUDE	0882654.3170W
LTP/FTP ELLIPSOIDAL HEIGHT	+01109
FPAP LATITUDE	383855.2600N
FPAP LONGITUDE	0882750.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	F48D102F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01421
FPAP ORTHOMETRIC HEIGHT	+01421

